

Drafts  
 Pending  
 Active

- L1: (439951) Radar or (transmitter and receiver) or transmitter-receiver or transceiver
- L3: (1520239) Weather or climate or climatology or meteorology or meteorological or atmosphere or...
- L4: (30724) 1 and 3
- L5: (2593017) scan or scanning or scanned or scanner
- L6: (402811) update or updated or updating
- L7: (4433174) image or imaging or imaged or display or displayed or displaying
- L8: (5194795) first same second
- L9: (772) 5 same 6 same 7 same 8
- L10: (32) 4 and 9
- L11: (8180) 4 and 5
- L12: (155828) 6 and 7 and 8
- L13: (2665) 11 and 12
- L14: (1100) ariu
- L15: (58) 13 and 14
- L16: (4418) (342/26B) or (342/26R) or (342/176-185) or (345/440) or (340/539.28) or (340/945) or...
- L18: (8) (US-20040239550-\$ or US-20050174350-\$) did. or (US-5049886-\$ or US-5196854-\$ or US-61338...
- L19: (7) 18 and @ad<="20040206"
- L20: (0) Forward citation search 1
- L21: (19) Combined citation search 1
- L17: (2439) 16 and @ad<="20040206"

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Search | List | Browse | Queue | Clear

DBs: US-PGPUB:USPAT:USOCR

Default operator: OR

Highlight all hit terms in this row

342/26B  
342/26R  
342/176-185  
345/440  
340/539.28  
340/945  
340/963  
340/971

Structured form | Custom form | BRS form | ISAR form | Hits | Details | Image | Text | HTML

1	Document ID	Issue Date	Pages	Title	Investor	Current Owner
1	340/539.28	23				
2	340/945	721				
3	340/963	269				
4	340/971	230				
5	342/176	674				
6	342/177	101				
7	342/178	65				
8	342/179	351				
9	342/180	254				

Search Terms	Total	USPAT	US-PGP	EPO	JPO	Derwent
1 340/539.28	23					
2 340/945	721					
3 340/963	269					
4 340/971	230					
5 342/176	674					
6 342/177	101					
7 342/178	65					
8 342/179	351					
9 342/180	254					

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CAP NUM

# SEARCH NOTES FOR EAST AND IEEE AND INSPEC AND IP.COM

SERIAL NUMBER 10774060

## EAST SEARCH

EAST: search history attached

## IEEE SEARCH

Recent Search Queries	Results
#1 (((radar or (transmitter and receiver) or transmitter-receiver or transceiver) and (weather or climate or climatology or meteorology or meteorological or atmosphere or atmospheric))<in>metadata)	3432
#2 (((((radar or (transmitter and receiver) or transmitter-receiver or transceiver) and (weather or climate or climatology or meteorology or meteorological or atmosphere or atmospheric))<in>metadata))<AND>(image or imaging or imaged or display or displayed or displaying<in>metadata))	1639
#3 ((((((radar or (transmitter and receiver) or transmitter-receiver or transceiver) and (weather or climate or climatology or meteorology or meteorological or atmosphere or atmospheric))<in>metadata))<and>(image or imaging or imaged or display or displayed or displaying<in>metadata))<AND>(scan or scanning or scanned or scanner<in>metadata))	396
#4 (((((((radar or (transmitter and receiver) or transmitter-receiver or transceiver) and (weather or climate or climatology or meteorology or meteorological or atmosphere or atmospheric))<in>metadata))<and>(image or imaging or imaged or display or displayed or displaying<in>metadata))<and>(scan or scanning or scanned or scanner<in>metadata))<AND>(update or updated or updating<in>metadata))	76

### 1. Development of an automated windshear detection system using Doppler weather radar

Evans, J.; Turnbull, D.  
Proceedings of the IEEE  
Volume 77, Issue 11, Nov 1989 Page(s):1661 - 1673

### 2. Sensors and systems to enhance aviation safety against weather hazards

Mahapatra, P.R.; Zrnic, D.S.  
Proceedings of the IEEE  
Volume 79, Issue 9, Sep 1991 Page(s):1234 - 1267

**3. A clutter removal strategy for weather radars, based on neural network approaches and using polarisation diversity as feature space**  
da Silveria, R.B.; Holt, A.R.  
Radar 97 (Conf. Publ. No. 449)  
14-16 Oct 1997 Page(s):356 - 360

**4. An automatic identification of clutter and anomalous propagation in polarization-diversity weather radar data using neural networks**  
da Silveira, R.B.; Holt, A.R.  
Geoscience and Remote Sensing, IEEE Transactions on  
Volume 39, Issue 8, Aug 2001 Page(s):1777 - 1788

**5. Ground-based radar interferometry for landslides monitoring: atmospheric and instrumental decorrelation sources on experimental data**  
Luzi, G.; Pieraccini, M.; Mecatti, D.; Noferini, L.; Guidi, G.; Moia, F.; Atzeni, C.  
Geoscience and Remote Sensing, IEEE Transactions on  
Volume 42, Issue 11, Nov. 2004 Page(s): 2454 - 2466

**6. Range and velocity ambiguity mitigation techniques for the WSR-88D weather radar**  
Torres, S.M.; Zrnic, D.S.  
Geoscience and Remote Sensing Symposium, 2004. IGARSS '04. Proceedings. 2004 IEEE International  
Volume 3, 20-24 Sept. 2004 Page(s): 1727 - 1729 vol.3

**7. Service-oriented environments for dynamically interacting with mesoscale weather**  
Droegemeier, K.K.; Gannon, D.; Reed, D.; Plale, B.; Alameda, J.; Baltzer, T.; Brewster, K.; Clark, R.; Domenico, B.; Graves, S.; Joseph, E.; Murray, D.; Ramachandran, R.; Ramamurthy, M.; Ramakrishnan, L.; Rushing, J.A.; Weber, D.; Wilhelmson, R.; Wilson, A.; Xue, M.; Yalda, S.  
Computing in Science & Engineering [see also IEEE Computational Science and Engineering]  
Volume 7, Issue 6, Nov.-Dec. 2005 Page(s): 12 - 29

## INSPEC SEARCH

Search history:

No.	Database	Search term	Info added since	Results	
1	INZZ	(radar OR transmitter AND receiver OR transmitter-receiver OR transceiver) AND (weather OR climate OR climatology OR meteorology OR meteorological OR atmosphere OR atmospheric)	unrestricted	4	

		<b>AND (image OR imaging OR imaged OR display OR displayed OR displaying) AND (scan OR scanning OR scanned OR scanner) AND (update OR updated OR updating)</b>		
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**INSPEC – 1969 to date (INZZ)**

**Super fast scanning radar with tomographic gap application for weather phenomena studies.**

**Author(s)**

Lai-K-H-J; Cherniakov-M.

**Source**

IGARSS 2000. IEEE 2000 International Geoscience and Remote Sensing Symposium. Taking the Pulse of the

Planet: The Role of Remote Sensing in Managing the Environment, vol.2, Honolulu, HI, USA, 24–28 July 2000.

Sponsors: IEEE, IEEE Geosci. & Remote Sensing Soc., NASA, NOAA, Office of Naval Res., Nat. Resouces

Canada, Canadian Space Agency, Nat. Space Dev. Agency of Japan, URSI.

In: p.521–3 vol.2, 2000.

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**Recent progress in mm-wave sensor system capabilities for enhanced (synthetic) vision.**

**Author(s)**

Hellemann-K; Zachai-R.

**Source**

Enhanced and Synthetic Vision 1999, Orlando, FL, USA, 5–6 April 1999.

Sponsors: SPIE.

In: Proceedings-of-the-SPIE-The-International-Society-for-Optical-Engineering (USA), vol.3691, p.21–8, 1999.

COPYRIGHT BY Inst. of Electrical Engineers, Stevenage, UK

**Multifunction 35 GHz FMCW radar with frequency scanning antenna for synthetic vision**

**applications.**

**Author(s)**

Tospann-F-J; Pirkl-M; Gruner-W.

**Source**

Synthetic Vision for Vehicle Guidance and Control, Orlando, FL, USA, 17–18 April 1995.

Sponsors: SPIE.

In: Proceedings-of-the-SPIE-The-International-Society-for-Optical-Engineering (USA), vol.2463, p.28–37, 1995.

COPYRIGHT BY Inst. of Electrical Engineers, Stevenage, UK

**System overview and applications of a panoramic imaging perimeter sensor.**

**Author(s)**

Pritchard-D-A; Ed. by Sanson-L-D.

**Source**

Proceedings The Institute of Electrical and Electronics Engineers. 29th Annual 1995 International Carnahan

Conference on Security Technology, Sanderstead, UK, 18–20 Oct. 1995.

Sponsors: IEEE Lexington SectIEEE Aerosp. & Electron. Syst. SocPolice Sci. Dev. Branch, UKChung Shan

Inst. Sci. & Technol., TaiwanNat. Chiao-Tung Univ. TaiwanIEEIOPAssoc. Police & Public Security

Suppliers, UKSAFE UKUniv. New MexicoGeorgia Tech Res. Inst.

In: p.420–5, 1995.

COPYRIGHT BY Inst. of Electrical Engineers, Stevenage, UK

1

## IP.COM SEARCH

Search terms:

(radar or (transmitter and receiver) or transmitter-receiver or transceiver) and (weather or climate or climatology or meteorology or meteorological or atmosphere or atmospheric) and (image or imaging or imaged or display or displayed or displaying) and (scan or scanning or scanned or scanner) and (update or updated or updating)

Displaying records #1 through 6 out of 6

Result # 1      Relevance: 

[What Can Be Automated?: The Computer Science and Engineering Research Study \(COSERS\)](#)

1980-01-01      IPCOM000128748D      English (United States)

It is truly difficult to capture with a single question the essence of research in a diverse and very active area of science and technology, but the query in the title comes very close. This question was first posed by the late Professor George Forsythe of Stanford ...

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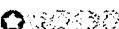
Result # 2      Relevance: 

[A History of the Information Processing Techniques Office of the Defense Advanced Research Projects Agency](#)

1992-10-01      IPCOM000127913D      English (United States)

This report has been sponsored by the Computing Systems Technology Office and the Software and Intelligent Systems Technology Office of the Defense Advanced Research Projects Agency, and has been prepared under NASA-Ames Research Grant NAG 2-532, subcontract USC/PO 473764. ...

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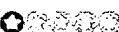
Result # 3      Relevance: 

[A SURVEY OF PICTORIAL DATA-COMPRESSION TECHNIQUES](#)

1969-03-01      IPCOM000128409D      English (United States)

The results of a survey of pictorial data compression techniques are summarized in this report. The survey was motivated by a study of half-time graphics communication over voice-grade lines. The principal compression techniques surveyed include the following: the ...

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Result # 4      Relevance: 

[DIGITAL BROADCAST SYSTEM](#)

1998-06-01      IPCOM00008723D      English (United States)

This paper describes a one-way digital broadcast system. It is essentially a system which provides for the transport and delivery of future information based applications. It can be thought of as a wireless service

roughly comparable to the World Wide Web. The highlights ...

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Result # 5 Relevance: 

IEEE Computer Volume 15 Number 6 -- NEW PRODUCTS

1982-06-01 IPCOM000131507D

English (United States)

NEW PRODUCTS \* Tape drive subsystem features integrated controller \* Software program compares files, records differences \* Printer employs two rows of characters on printwheels \* Spectrophotometer calculates and displays infrared spectrum \* IBM memory chip ...

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Result # 6 Relevance: 

Experiments in network clock synchronization (RFC0957)

1985-09-01 IPCOM000004953D

English (United States)

2. Design of the Synchronization Algorithm 2.1. The Logical Clock 2.2. Linear Phase Adjustments 2.3. Nonlinear Phase Adjustments 3. Synchronizing Network Clocks 3.1. Reference Clocks and Reference Hosts 3.2. Distribution of Timing Information ...